

ABSTRACT

The object of the present invention is to provide an amino acid frame indication system, a method for amino acid frame indication and a recording medium, which can effectively extract a highly reliable amino acid sequence from a cDNA sequence, even in a case where there exists a frame shift error in the cDNA sequence.

It becomes possible to obtain a highly precise amino acid sequence by: expressing the amino acid information of a cDNA sequence obtained by similarity comparison with known amino acid sequences, together with the ORF display of the cDNA sequence on each amino acid frame; effectively detecting a frame shift by displaying both the plausibility of an initiation codon which is information regarding an ORF statistically obtained at the same time, and a coding potential graph; and editing the obtained results.